

Contents

Part I Theoretical Approaches to Group Coordination

1 Coordination in Human and Non-human Primate Groups: Why Compare and How?	3
Margarete Boos, Michaela Kolbe, and Peter M. Kappeler	
2 An Inclusive Model of Group Coordination	11
Margarete Boos, Michaela Kolbe, and Micha Strack	
3 Coordination of Group Movements in Non-human Primates	37
Claudia Fichtel, Lennart Pyritz, and Peter M. Kappeler	
4 Dimensions of Group Coordination: Applicability Test of the Coordination Mechanism Circumplex Model	57
Micha Strack, Michaela Kolbe, and Margarete Boos	
5 The Role of Coordination in Preventing Harm in Healthcare Groups: Research Examples from Anaesthesia and an Integrated Model of Coordination for Action Teams in Health Care	75
Michaela Kolbe, Michael Burtscher, Tanja Manser, Barbara Künzle, and Gudela Grote	
6 Developing Observational Categories for Group Process Research Based on Task and Coordination Requirement Analysis: Examples from Research on Medical Emergency-Driven Teams	93
Franziska Tschan, Norbert K. Semmer, Maria Vetterli, Andrea Gurtner, Sabina Hunziker, and Stephan U. Marsch	

Part II Assessing Coordination in Human Groups – Concepts and Methods

7 Assessing Coordination in Human Groups: Concepts and Methods	119
Thomas Ellwart	
8 Assessing Team Coordination Potential	137
Kristina Lauche	
9 Measurement of Team Knowledge in the Field: Methodological Advantages and Limitations	155
Thomas Ellwart, Torsten Biemann, and Oliver Rack	
10 An Observation-Based Method for Measuring the Sharedness of Mental Models in Teams	177
Petra Badke-Schaub, Andre Neumann, and Kristina Lauche	
11 Effective Coordination in Human Group Decision Making: MICRO-CO: A Micro-analytical Taxonomy for Analysing Explicit Coordination Mechanisms in Decision-Making Groups ...	199
Michaela Kolbe, Micha Strack, Alexandra Stein, and Margarete Boos	

Part III Primatological Approaches to the Conceptualisation and Measurement of Group Coordination

12 Primatological Approaches to the Study of Group Coordination	223
Peter M. Kappeler	
13 Communicative and Cognitive Underpinnings of Animal Group Movement	229
Julia Fischer and Dietmar Zinner	
14 Communicative Cues Among and Between Human and Non-human Primates: Attending to Specificity in Triadic Gestural Interactions	245
Juliane Kaminski	
15 Coordination in Primate Mixed-Species Groups	263
Eckhard W. Heymann	
Index	283

Coordination in Human and Primate Groups

Boos, M.; Kolbe, M.; Kappeler, P.M.; Ellwart, Th. (Eds.)

2011, XIII, 288 p., Hardcover

ISBN: 978-3-642-15354-9